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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/700,919	11/04/2003	Samuel D. Naffziger	200208843-1	5925
22879	7590 06/06/2006		EXAMINER	
HEWLETT PACKARD COMPANY			HAN, YOUNGHUIE JESSICA	
P O BOX 272	400, 3404 E. HARMONY I	ROAD		
INTELLECTUAL PROPERTY ADMINISTRATION			ART UNIT	PAPER NUMBER
FORT COLLINS, CO 80527-2400			2838	

DATE MAILED: 06/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/700,919	NAFFZIGER ET AL.	
Office Action Summary	Examiner	Art Unit	
	Y. J. Han	2838	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet wi	th the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNION 36(a). In no event, however, may a rivill apply and will expire SIX (6) MON 3. cause the application to become AE	CATION. eply be timely filed THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).	
Status			
 Responsive to communication(s) filed on 17 M This action is FINAL. 2b) This Since this application is in condition for alloware closed in accordance with the practice under E 	action is non-final. nce except for formal matt	•	
Disposition of Claims	2. parto Quayro, 1000 0.2	. 11, 100 0.0, 210.	
4) ☐ Claim(s) 1-31 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-8,10-16 and 20-27 is/are rejected. 7) ☐ Claim(s) 9,17-19 and 28-31 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on 17 March 2006 is/are: Applicant may not request that any objection to the	wn from consideration. r election requirement. r. a)⊠ accepted or b)⊡ objedrawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex			
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in A rity documents have been u (PCT Rule 17.2(a)).	oplication No received in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application (PTO-152) 	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 2, 5-8, 10, 11, 13, 14, 16, and 25-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Goldfarb et al (6,400,227).

Golffarb et al discloses an integrated circuit having a first set of semiconductor devices (102, 104, 106, 108) configured to provide a variable current source that generates a first current based on a first binary selection signal (VGC1, VGC2, VGC3, VGC4); a second set of semiconductor devices (FET13, FET14) configured to provide a variable current source that generates a second current based on a second binary selection signal, each of the semiconductor devices of the first set of semiconductor devices having an associated matching semiconductor device from the second set of semiconductor devices that has a width that is a multiple of the width of the associated matching semiconductor device from the first set of semiconductor devices (FETs have width which differ according to a predetermined ratio, suitably a 1:2:4:4 ratio); and a control device that determines the value of the first current and sets the second binary selection signal (binary and non-binary weight combination of FET sizes are anticipated) to provide the second current that is a multiple of the first current (network 202).

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Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 3, 4, 12, 15, and 20-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Goldfarb et al (6,400,227) in view of Ezell (2005/0024252).

Goldfarb et al discloses the invention substantially as claimed but does not disclose a means for compensating for differences in voltages associated with the first and the second current source. Ezell, however, discloses that the use of such feature is well known in the art. See Figs. 2 and 4. Therefore, it would have been obvious to one having ordinary skill in the art to employ means for compensation in Goldfarb et al, as taught by Ezell, to obtain the claimed invention for the purpose of achieving very accurate power.

Response to Arguments

5. Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.

Allowable Subject Matter

6. Claims 9, 17-19, and 28-31 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y. J. Han whose telephone number is 571-272-2078. The examiner can normally be reached on Mon-Fri 6:30am-3:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Karl Easthom can be reached on 571-272-1989. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

J. Han

Primary Examiner
Art Unit 2838